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ATTORNEY DOCKET NO. DERM 100

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Rheins and Morhenn

Art Unit: 1646

Serial No.: 09/976,361

Examiner Unassigned

Filed: October 11, 2001

Title: METHOD FOR DETECTION OF BIOLOGICAL FACTORS IN EPIDERMIS

Commissioner for Patents  
Washington, D.C. 20231

**TRANSMITTAL SHEET**

Sir:

Transmitted herewith for the above-identified application, please find:

- (1) An Information Disclosure Statement (2 pages);
- (2) A Form PTO-1449 (3 pages);
- (3) Twenty-Seven (27) References; and
- (4) Return postcard.

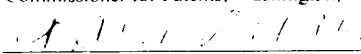
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**CERTIFICATION UNDER 37 CFR §1.8**

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on November 11, 2002, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231

  
Karen Lel'ari

In re Application of:  
Rheins and Morhenn  
Application No.: 09/976,361  
Filed: October 11, 2001  
Page 2

PATENT  
Attorney Docket No.: DERM1100-5

This Information Disclosure Statement is being filed prior to receipt of a First Office Action on the merits. Therefore, no fee is deemed necessary. However, the Commissioner is hereby authorized to charge any amounts required by this filing, or credit any overpayment, to Deposit Account No. 50-1355.

Respectfully submitted,

Date: November 11, 2002

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PATENT  
ATTORNEY DOCKET NO. DERM1100-5

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Applicants: Rheins and Morhenn  
Serial No.: 09/976,361  
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Title: METHOD FOR DETECTION OF BIOLOGICAL FACTORS IN EPIDERMIS

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Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

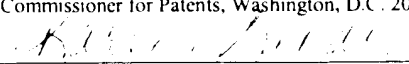
In accordance with 37 C.F.R. 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and a copy of each is enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

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Respectfully submitted,

Date: November 11, 2002

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<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>Docket No.:</b> DERM1100-5	<b>Serial No.:</b> 09/976,361
	<b>Applicants:</b> Rheins and Morhenn	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Filing Date:</b> October 11, 2001	<b>Group Art Unit:</b> 1646

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA	6,355,439 B1	03/12/02	Chung et al.	435	6	09/22/99

### FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)

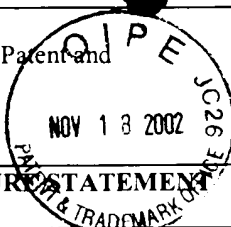
### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

AB	Cosini and Galli, "Cytokines and Irritant Contact Dermatitis," <i>Toxicology Letters</i> , 102-103:277-282, Elsevier (1998).
AC	Dreher et al., "Colorimetric Method for Quantifying Human <i>Stratum Corneum</i> Removed by Adhesive-Tape Stripping," <i>Acta Derma Venereol</i> , 78:186-189, Scandinavian University Press (1998).
AD	Farage, M.A. et al., "Further Development of Noninvasive Method for Assessing Human Skin Irritation," Abstract #1909, The Proctor & Gamble Company, (1998)
AE	Freedberg et al., "Keratins and the Keratinocyte Activation Cycle," <i>The Journal of Investigative Dermatology</i> , 116(5):633-640, The Society for Investigative Dermatology, Inc. (2001).
AF	Goldschmidt and Kligman, "Desquamation of the Human Horny Layer," <i>Arch. Derm</i> , 95:583-586, American Medical Association (1967).
	Hamid et al., "In Vivo Expression of IL-12 and IL-13 in Atopic Dermatitis," <i>Journal of Allergy and Clinical Immunology</i> , 98(1):1-8, Mosby-Year Book, Inc. (1996).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>Docket No.:</b> DERM1100-5	<b>Serial No.:</b> 09/976,361
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AH	Hirao et al., "Elevation of Interleukin 1 Receptor Antagonist in the Stratum Corneum of Sun-Exposed and Ultraviolet B-Irradiated Human Skin," <i>The Journal of Investigative Dermatology</i> , 106(5):1102-1107, The Society for Investigative Dermatology, Inc. (1996).
AI	Hojyo-Tomoka and Kligman, "Does Cellophane Tape Stripping Remove the Horny Layer?" <i>Arch. Derm.</i> , 106(5):767-768 (1972).
AJ	Junghans et al., "Epidermal Cytokines IL-1 $\beta$ , TNF- $\alpha$ , and IL-12 in Patients with Atopic Dermatitis: Response to Application of House Dust Mite Antigens," <i>The Journal of Investigative Dermatology</i> , 111(6):1184-1188, The Society for Investigative Dermatology, Inc. (1998).
AK	Katz et al., "Skin-Surface Touch Print for Diagnosing Fungal Infections," <i>American Family Physician</i> , 31(4):189-194, American Academy of Family Physicians (1985).
AL	Klaschka and Norenberg, "Individual Transparency Patterns of Adhesive-Tape Strip Series of the Stratum Corneum," <i>International Journal of Dermatology</i> , 16(10):836-841, J.B. Lippincott Company (1997).
AM	Klaschka and Nörenberg, "New Measuring Device of Horny Layer Transparency," <i>Arch. Derm. Res.</i> , 254:313-325, Springer-Verlag (1975).
AN	Kondo et al., "Characterization of Epidermal Cytokine Profiles in Sensitization and Elicitation Phases of Allergic Contact Dermatitis as Well as Irritant Contact Dermatitis in Mouse Skin," <i>Lymphokine and Cytokine Research</i> , 13(6):367-375, Mary Ann Liebert, Inc. (1994).
AO	Martin et al., "A Critical Comparison of Methods to Quantify Stratum corneum Removed by Tape Stripping," <i>Skin Pharmacol.</i> , 9:69-77 S. Karger AG (1996).
AP	Nickoloff and Naidu, "Perturbation of Epidermal Barrier Function Correlates with Initiation of Cytokine Cascade in Human Skin," <i>Journal of the American Academy of Dermatology</i> , 30(4):535-546, American Academy of Dermatology, Inc. (1994).
AQ	Nickoloff et al., "Keratinocyte Interleukin-10 Expression is Upregulated in Tape-Stripped Skin, Poison Ivy Dermatitis, and Sezary Syndrome, but Not in Psoriatic Plaques," <i>Clinical Immunology and Immunopathology</i> , 73(1):63-68, Academic Press, Inc. (1994).

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AR	Ohmen et al., "Overexpression of IL-10 in Atopic Dermatitis," <i>The Journal of Immunology</i> , 154:1956-1963, The American Association of Immunologists (1995).
AS	Perkins et al., "Development of a Noninvasive Method for Assessing Human Skin Irritation," <i>The Toxicologist</i> , 36(1):365, Academic Press, Inc. (1997).
AT	Perkins et al., "A Noninvasive Method to Assess Skin Irritation and Compromised Skin Conditions Using Simple Tape Adsorption of Molecular Markers of Inflammation," <i>Skin Res. Technol.</i> , 7(4):227-237 (2001).
AU	Potts and Francoeur, "Physical Methods for Studying Stratum Corneum Lipids," <i>Seminars in Dermatology</i> , 11(2):129-138, W.B. Saunders Company (1992).
AV	Ryan and Gerberick, "Cytokine mRNA Expression in Human Epidermis after Patch Treatment with Rhus and Sodium Lauryl Sulfate," <i>American Journal of Contact Dermatitis</i> , 10(3):127-135, W.B. Saunders Company (1999).
AW	van der Molen et al., "Tape Stripping of Human Stratum Corneum Yields Cell Layers that Originate from Various Depths because of Furrows in the Skin," <i>Arch. Dermatol. Res.</i> , 289:514-518, Springer-Verlag (1997).
AX	van der Valk and Maibach, "A Functional Study of the Skin Barrier to Evaporative Water Loss by Means of Repeated Cellophane-Tape Stripping," <i>Clinical and Experimental Dermatology</i> , 15(3):180-182 (1990).
AY	van Hoogdalem, "Assay of Erythromycin in Tape Strips of Human Stratum corneum and Some Preliminary Results in Man," <i>Skin Pharmacol.</i> , 5:124-128, S. Karger AG (1992).
AZ	Weigand and Gaylor, "Removal of Stratum Corneum in Vivo: An Improvement on the Cellophane Tape Stripping Technique," <i>The Journal of Investigative Dermatology</i> , 60(2):84-87, The Williams & Wilkins Co. (1973).
BA	Yawalkar and Pichler, "Pathogenesis of Drug-Induced Exanthema," <i>Int. Arch. Allergy Immunol.</i> , 124:336-338, S. Karger AG (2001).

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